

IT Corporation
3347 Michelson Drive, Suite 200
Irvine, CA 92612
Telephone: 949-261-6441
Fax: 949-474-8309



December 17, 2001

California Regional Water Quality Control Board
Los Angeles Region
320 West 4th Street, Suite 200
Los Angeles, CA 90013
ATTN: Steven Hariri

RE: Soil Removal Activities
Jervis B. Webb of California
5030 Firestone Boulevard and 9301 Rayo Avenue
South Gate, CA
SLIC No. 744

Dear Mr. Hariri:

This letter report summarizes the soil removal activities performed by IT Corporation at the Jervis B. Webb of California (Webb) facility on December 14, 2001. In accordance with our Work Plan dated December 12, 2001, which memorialized our conversations and direction from you, we drilled three large diameter borings and removed contaminated soil successfully from each boring at the locations specified by the Board. Pursuant to the Board's direction, a confirmation sample was taken at the bottom of each boring.

Background

IT sampled five confirmation borings (CB-1 to CB-5) at the Webb site on September 13-14, 2001, in order to meet the Los Angeles Regional Water Quality Control Board's (RWQCB) requirements for soil closure. Pursuant to the RWQCB letter response dated December 12, 2001, the Board directed that the elevated levels of TCE in borings CB-3 and CB-4 be removed in order to achieve soil closure. In addition, the RWQCB required the 0.88 mg/kg of hexavalent chromium found previously by EKI in boring B-4 at 10.5 feet be removed.

FIELD WORK

On December 14, 2001, IT drilled three large diameter soil borings, designated CB-3A, CB-4A, and CB-1A, immediately adjacent to confirmation borings CB-3 and CB-4 and EKI Boring B-4, respectively. The borings were drilled using a limited access (low overhead) hollow stem auger rig, since the borings were located inside the Firestone Boulevard building, which has an overhead clearance of about 14 feet. The borings were initially drilled using 6-inch diameter augers and then reamed using 12-inch diameter augers. Boring CB-3A was drilled to a final depth of 36 feet, boring CB-4A to a depth of 37 feet, and boring CB-1A to 18 feet.



Per your request, confirmation soil samples were collected at the bottom of each borehole using a split spoon sampler equipped with brass sleeves. Other confirmation samples were collected to ensure that all elevated levels of TCE and/or hexavalent chromium had been removed from the boring. Samples to be analyzed for VOCs were extracted from the brass sleeve in the field using an Encore™ sampler.

During drilling, the field geologist monitored the headspace of the soil cuttings using a calibrated photo-ionization detector (PID) and logged the readings onto a boring log. The geologist also recorded the relative percentages of sand, silt, and clay, soil color, density, odor, moisture content, and any unusual observations. Copies of the soil boring logs are provided in Appendix A. Upon completion of sampling, the boreholes were backfilled with bentonite chips and saturated with water.

Samples from CB-3A and CB-4A were analyzed for VOCs (EPA Method 8260B) on a 24-hour turnaround by Calscience Environmental Laboratories, Inc., a State-certified laboratory. The sample from CB-1A was analyzed for hexavalent chromium (EPA 7196A) and total chromium (EPA 6010B) on a 24-hour basis. Proper chain of custody procedures were followed.

Laboratory Results

The results of the soil confirmation samples collected from the bottom of each boring are summarized in Table 1. The samples analyzed for VOCs (EPA 8260B) indicated no detectable TCE (< 2 ug/kg) in boring CB-4A at 37 feet and 24 ug/kg of TCE in boring CB-3A at 36 feet. No VOCs other than TCE were detected in either boring.

Hexavalent chromium was found in boring CB-1A at 18 feet depth at a level of 0.24 mg/kg, which is below EPA's Preliminary Remediation Goal (PRG) for industrial soil (64 mg/kg) and residential soil (30 mg/kg) and approximates the California modified PRG (0.20 mg/kg). In addition, a total chromium level of 14.1 mg/kg was detected in this sample. This concentration is much less than the EPA industrial PRG (450 mg/kg) and residential PRG (210 mg/kg) and within the normal background level for total chromium in the soil.

Waste Disposal

The soil cuttings generated by the drilling were contained in 55-gallon drums, labeled, and a drum inventory prepared to identify the contents of each (by footage). A total of 12 drums of soil cuttings were generated by this investigation. The soil is currently being profiled for disposal at a permitted soil disposal facility. The soil will be scheduled for offsite disposal as soon as possible. Documentation of the soil disposal will be provided to the RWQCB under separate cover when the manifests become available.



Request for Soil Closure

Based on the successful removal of soil containing elevated levels of TCE and hexavalent chromium from the three borings of concern, we have completed the last remaining requirement for closure of the site. Therefore, we are requesting soil closure for the Webb site.

Schedule

In accordance with our previous discussion and correspondence, we appreciate the Board's efforts to issue the soil closure letter by Wednesday, December 19, 2001, to meet the requirements of the property transfer.

Please feel free to contact Gary Cronk at 949-660-7511 should you have any questions or comments regarding this report.

Sincerely,
IT Corporation


Gary Cronk, P.E.
Sr. Project Manager



Enclosures:

Figure 1: Confirmation Soil Boring Locations

Table 1: Summary of Analytical Results

Appendix A: Soil Boring Logs

Appendix B: Laboratory Analytical Reports and Chain of Custody

cc: Dennis Dickerson, RWQCB
Arthur Heath, RWQCB
Rebecca Chow, RWQCB
Mike Farley, Jervis B. Webb
Michael Feeley, Latham & Watkins
Gene Lucero, Latham & Watkins

003043

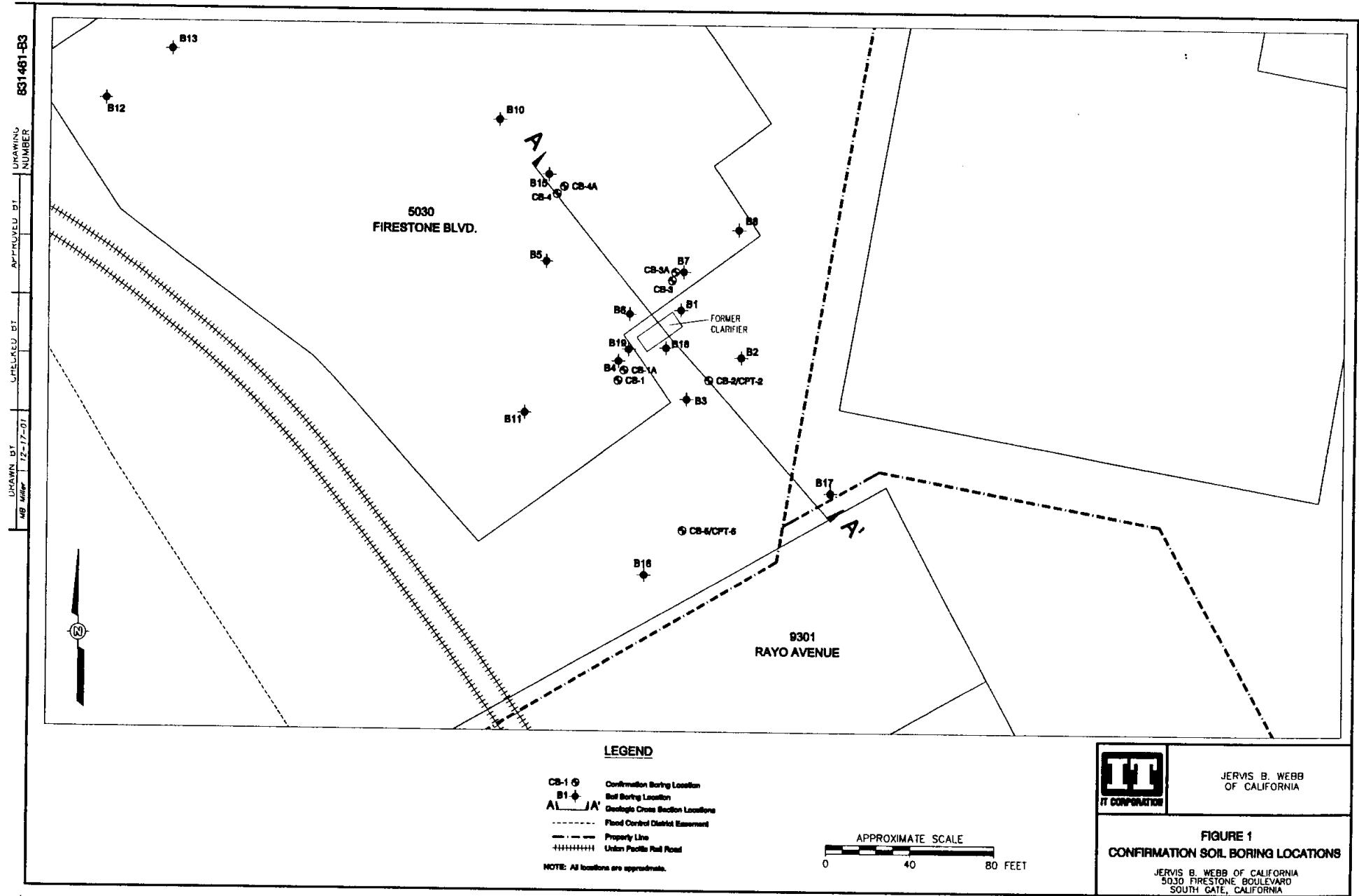


Table 1.

| Boring No. | Depth (ft) | TCE (ug/kg) | Hexavalent Chromium (mg/kg) | Hex. Chromium Residential Soil PRG (mg/kg) | Total Chromium (mg/kg) | Total Chromium Residential Soil PRG (mg/kg) |
|------------|------------|-------------|-----------------------------|--|------------------------|---|
| CB-3A | 36 | 24 | — | — | — | — |
| CB-4A | 37 | < 2 | — | — | — | — |
| CB1A | 18 | — | 0.24 | 0.2* | 14.1 | 210 |

Footnotes:

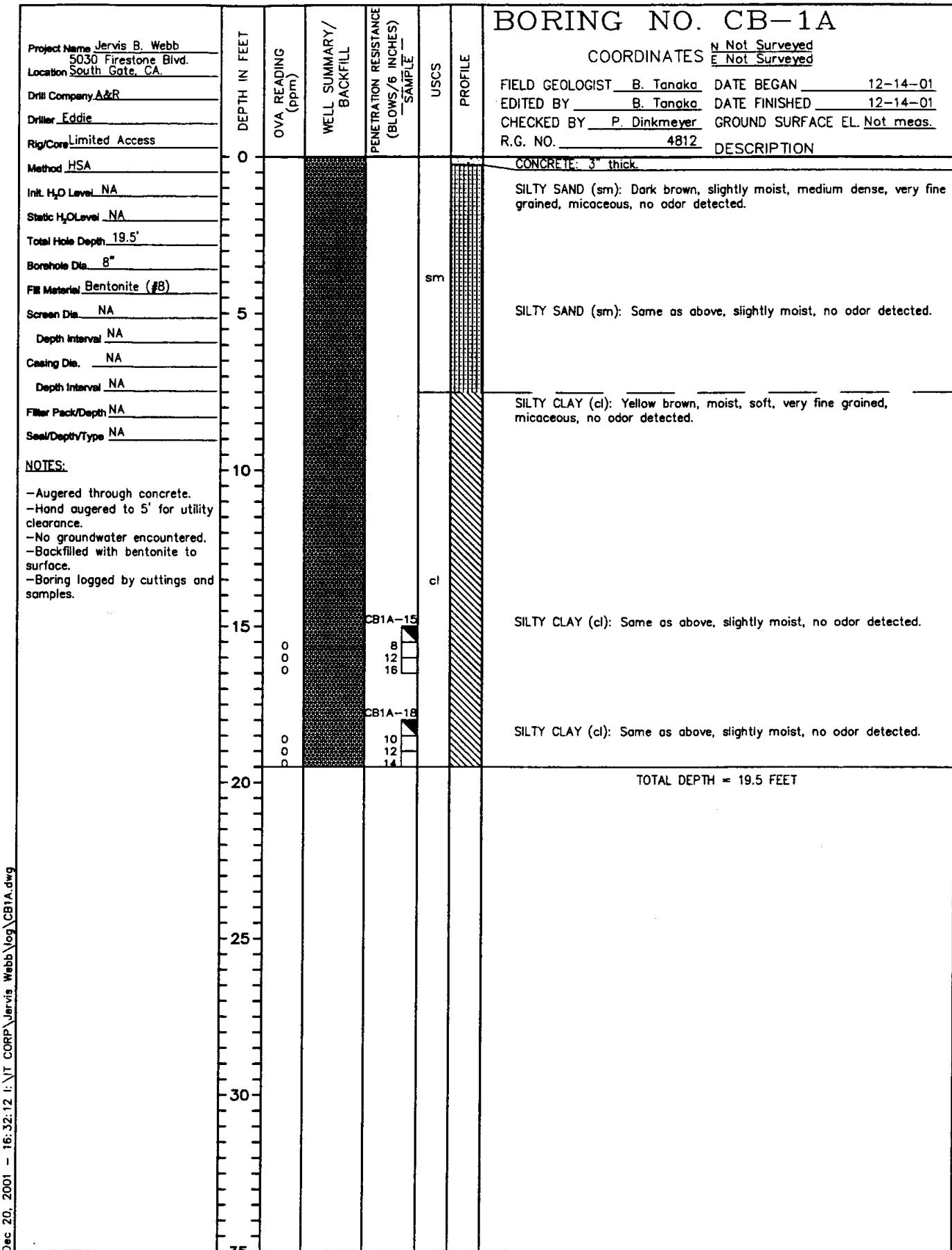
TCE = trichloroethylene

PRG = EPA's Preliminary Remediation Goal for Residential Soil

* = California Modified PRG

APPENDIX A

SOIL BORING LOGS



Dec 20, 2001 - 16:32:12 I:\T CORP\Jervis Webb\log\CB1A.dwg

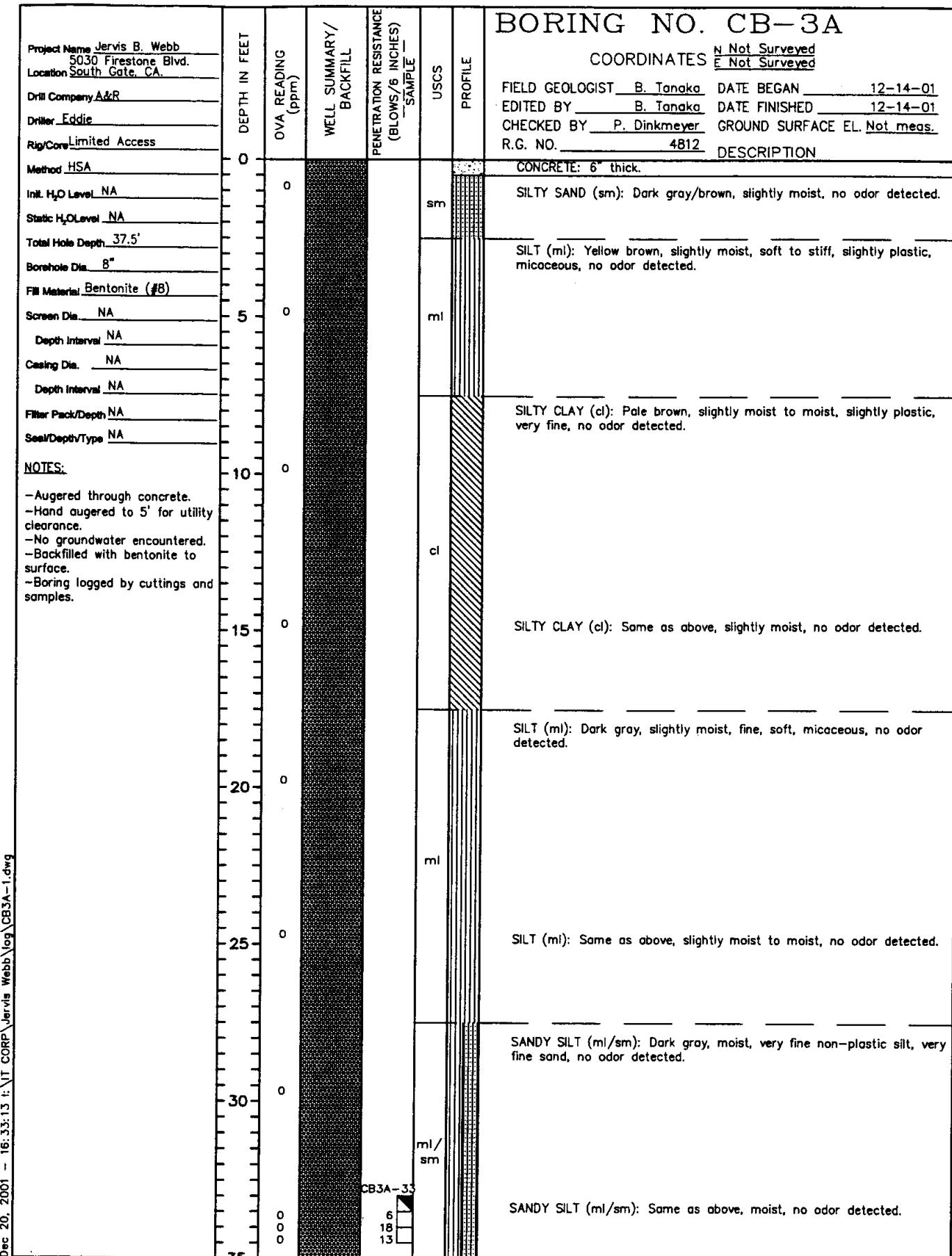
PROJECT NO. 831461

CLIENT: JERVIS B. WEBB

SEE LEGEND FOR LOGS AND TEST PITS
FOR EXPLANATION OF SYMBOLS AND TERMS



003046



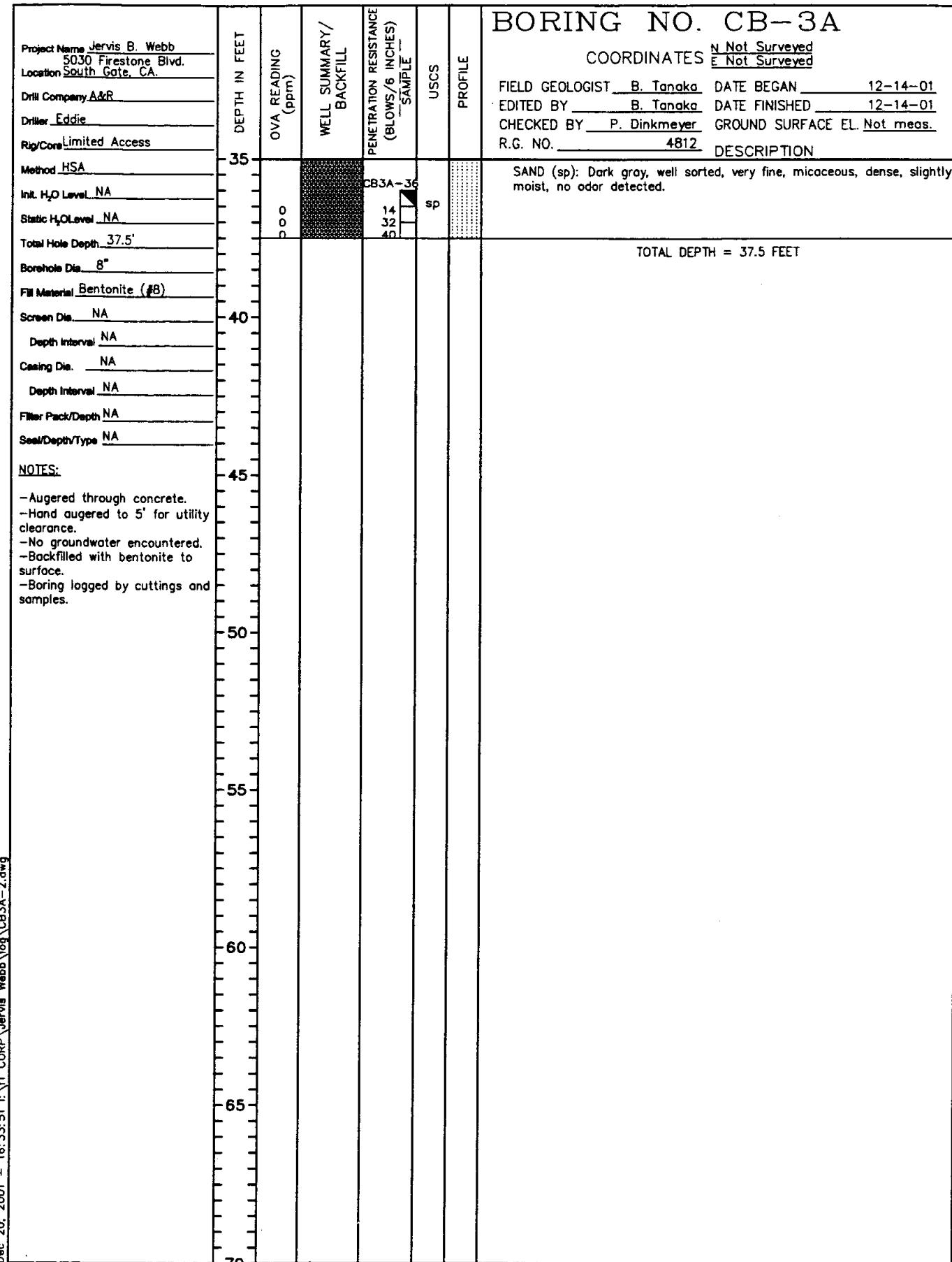
Dec 20, 2001 - 16:33:13 : \IT CORP\Jervis Webb\log\CB3A-1.dwg

PROJECT NO. 831461

CLIENT: JERVIS B. WEBB

SEE LEGEND FOR LOGS AND TEST PITS
FOR EXPLANATION OF SYMBOLS AND TERMS





Dec 20, 2001 - 16:33:51 I:\IT CORP\Jervis Webb\Logs\CB3A-2.dwg

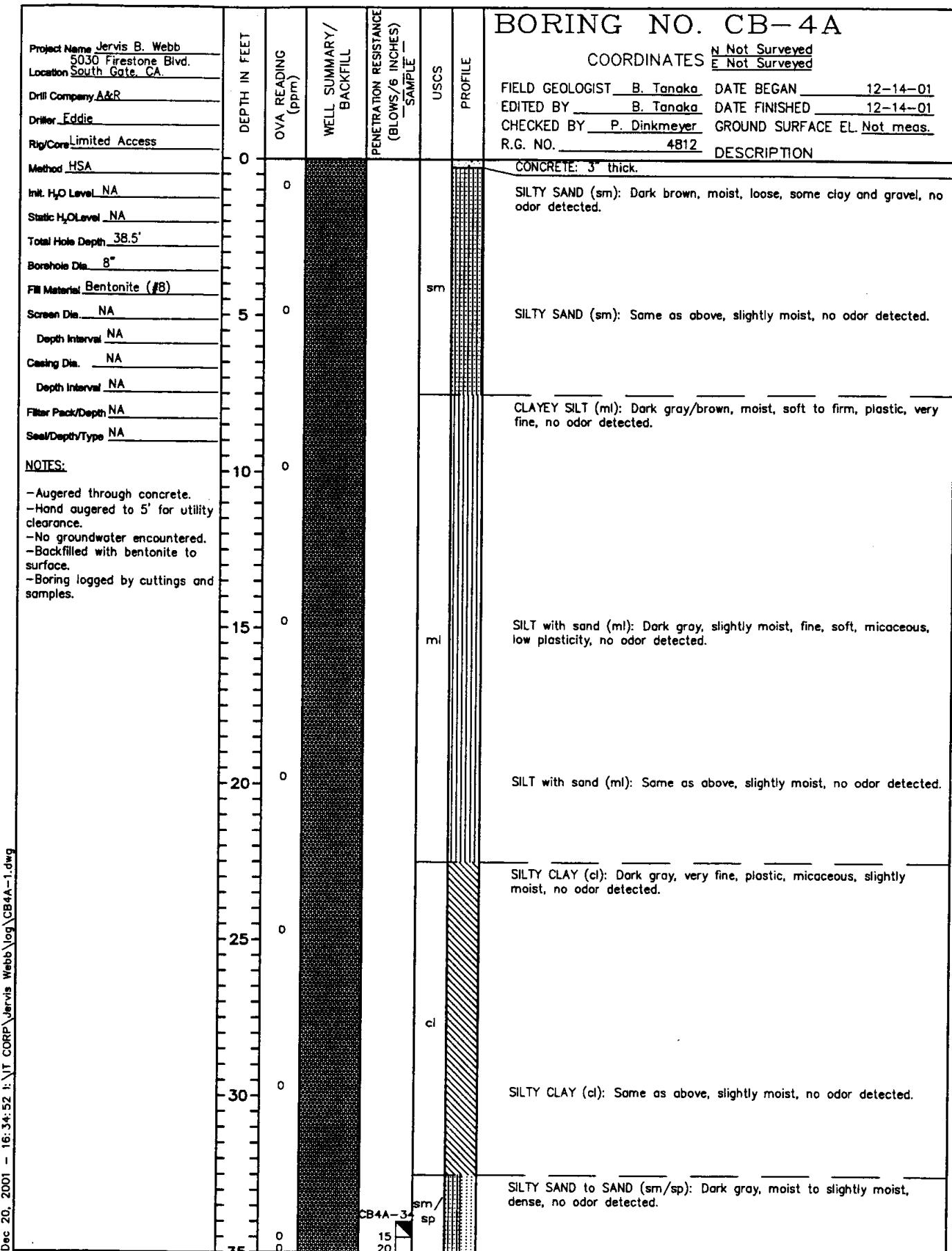
PROJECT NO. 831461

CLIENT: JERVIS B. WEBB

SEE LEGEND FOR LOGS AND TEST PITS
FOR EXPLANATION OF SYMBOLS AND TERMS



003048

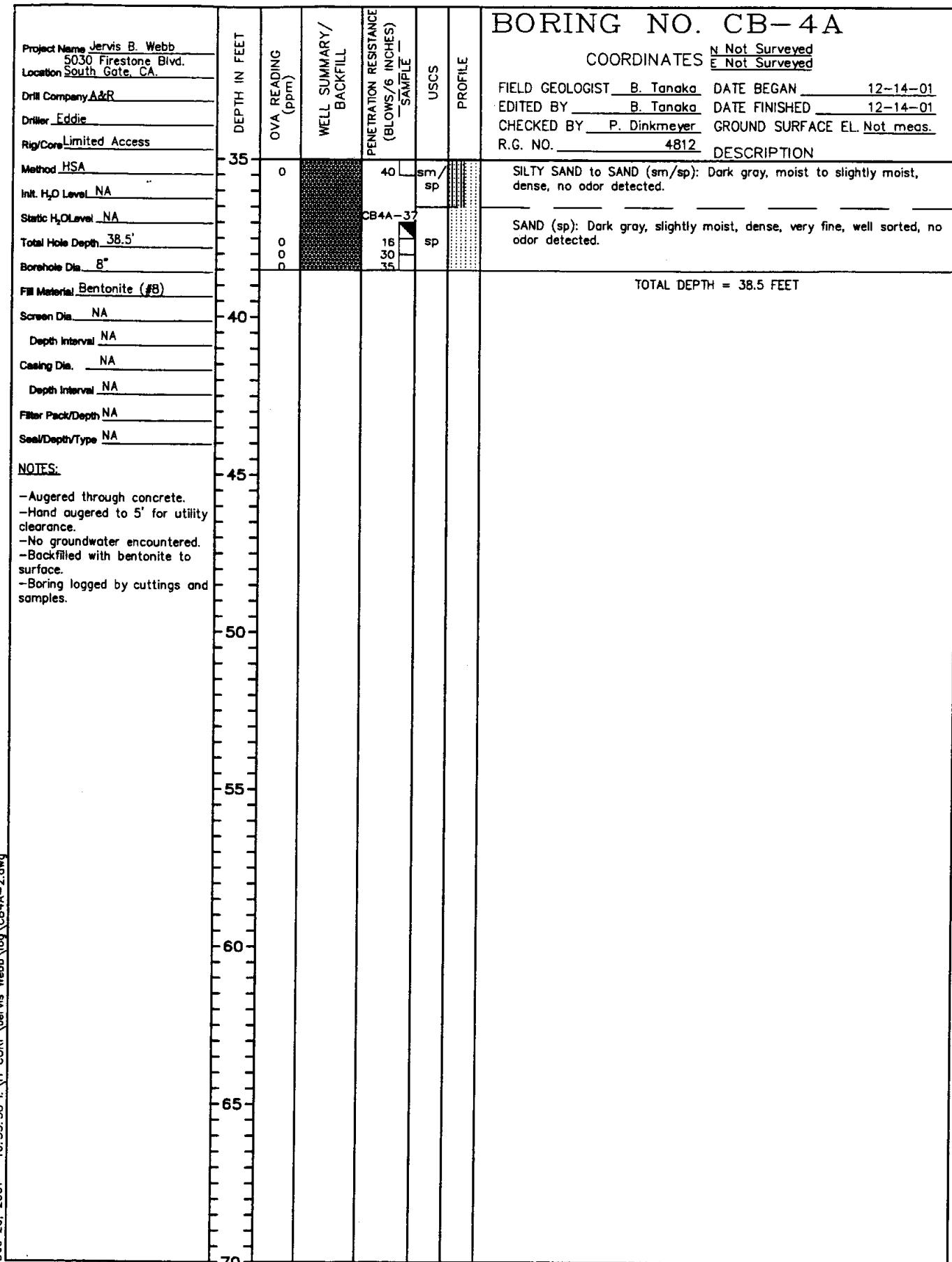


Dec 20, 2001 - 16:34:52 I:\IT CORP\Jervis Webb\log\CB4A-1.dwg

PROJECT NO. 831461
CLIENT: JERVIS B. WEBB
SEE LEGEND FOR LOGS AND TEST PITS
FOR EXPLANATION OF SYMBOLS AND TERMS



003049



Dec 20, 2001 - 16:35:38 I:\UT CORP\Jervis Webb\log\CB4A-2.dwg

PROJECT NO. 831461

CLIENT: JERVIS B. WEBB

SEE LEGEND FOR LOGS AND TEST PITS
FOR EXPLANATION OF SYMBOLS AND TERMS



003050

UNIFIED SOIL CLASSIFICATION SYSTEM (USCS) (ASTM D2488-84)

Description and Identification of Soils (Visual-Manual Procedure)

| | |
|-------------|---------|
| DRAWN BY | MBM/HDS |
| CHECKED BY | X-X-X |
| APPROVED BY | |

| MAJOR DIVISIONS | | GROUP SYMBOL | GRAPHIC SYMBOL | GROUP NAME |
|---|-----------------|--------------------|----------------|---|
| COARSE-GRAINED SOILS <50% Passing #200 Sieve | GRAVELS | CLEAN GRAVELS | GW | Well-graded gravel Well-graded gravel with sand |
| | | | GP | Poorly graded gravel Poorly graded gravel with sand |
| | | | GW-GM | Well-graded gravel with silt Well-graded gravel with silt and sand |
| | | GRAVELS WITH FINES | GW-GC | Well-graded gravel with clay Well-graded gravel with clay and sand |
| | | | GP-GM | Poorly graded gravel with silt Poorly graded gravel with silt and sand |
| | | | GP-GC | Poorly graded gravel with clay Poorly graded gravel with clay and sand |
| | | | GM | Silty gravel Silty gravel with sand |
| | SANDS | CLEAN SANDS | GC | Clayey gravel Clayey gravel with sand |
| | | | SW | Well-graded sand Well-graded sand with gravel |
| | | | SP | Poorly graded sand Poorly graded sand with gravel |
| | | SANDS WITH FINES | SW-SM | Well-graded sand with silt Well-graded sand with silt and gravel |
| | | | SW-SC | Well-graded sand with clay Well-graded sand with clay and gravel |
| | | | SP-SM | Poorly graded sand with silt Poorly graded sand with silt and gravel |
| | | | SP-SC | Poorly graded sand with clay Poorly graded sand with clay and gravel |
| FINE-GRAINED SOILS >50% Passing #200 Sieve | SILTS AND CLAYS | | SM | Silty sand Silty sand with gravel |
| | | | SC | Clayey sand Clayey sand with gravel |
| | | | CL | Lean clay - Lean clay with sand or gravel Sandy lean clay - Sandy lean clay with gravel Gravelly lean clay - Gravelly lean clay with sand |
| | | | ML | Silt - Silt with sand or gravel Sandy silt - Sandy silt with gravel Gravelly silt - Gravelly silt with sand |
| | | | CH | Fat clay - Fat clay with sand or gravel Sandy fat clay - Sandy fat clay with gravel Gravelly fat clay - Gravelly fat clay with sand |
| | | | MH | Elastic silt - Elastic silt with sand or gravel Sandy elastic silt - Sandy elastic silt with gravel Gravelly elastic silt - Gravelly elastic silt with sand |
| | | | OL/OH | Organic soil - Organic soil with sand or gravel Sandy organic soil - Sandy organic soil with gravel Gravelly organic soil - Gravelly organic soil with sand |

Note:

For soils with two possible identifications a borderline symbol is used. A borderline symbol, such as CL/ML, will be used only after every effort has been made to place the soil into a single group. The first group symbol in the borderline symbol represents the predominant soil type.

Adapted from:

1988 Annual Book of ASTM Standards,
Section 4, Volume 04.08

DENSITY/CONSISTENCY CLASSIFICATION

DENSITY OF COARSE-GRAINED SOILS

| DENSITY | BLOWS PER FOOT* |
|--------------|-----------------|
| VERY LOOSE | 0-4 |
| LOOSE | 5-10 |
| MEDIUM DENSE | 11-30 |
| DENSE | 31-50 |
| VERY DENSE | OVER 50 |

CONSISTENCY OF FINE-GRAINED SOILS

| CONSISTENCY | BLOWS PER FOOT* |
|-------------|-----------------|
| VERY SOFT | <2 |
| SOFT | 2-4 |
| FIRM | 5-8 |
| STIFF | 9-15 |
| VERY STIFF | 16-30 |
| HARD | OVER 30 |

*Blows with a 140-pound hammer falling 30 inches required to drive the designated sampler 12 inches into undisturbed materials.

CONTACTSCONTACT
(OBSERVED)APPROXIMATE
(± 2 FEET)INFERRED
(± 5 FEET)SAMPLE TYPES

| | 2.0" O.D. MODIFIED CALIFORNIA SAMPLER | 3.0" O.D. MODIFIED CALIFORNIA SAMPLER | S.P.T. SAMPLER | SHELBY TUBE | PITCHER SAMPLER | PLASTIC BAG | SACK | JAR | RING/ THIN WALLED TUBE |
|---------------------------|--|--|-------------------|----------------|--------------------|----------------|------|-----|---------------------------------|
| RELATIVELY UNDISTURBED | | | | | | | | | |
| NO RECOVERY | | | | | | | | | |
| BULK | | | | | | | | | |

GRAIN-SIZE DESCRIPTIONS (PER ASTM D2488-84)

Boulders – Particles of rock that will not pass a 12-inch square opening.

Cobbles – Particles of rock that will pass a 12-inch square opening and can be retained on a 3-inch sieve.

Gravel – Particles of rock that will pass a 3-inch sieve and can be retained on a No. 4 (4.75 mm) sieve.

Sand – Particles of rock that will pass a No. 4 sieve and can be retained on a No. 200 (75 μm) sieve.

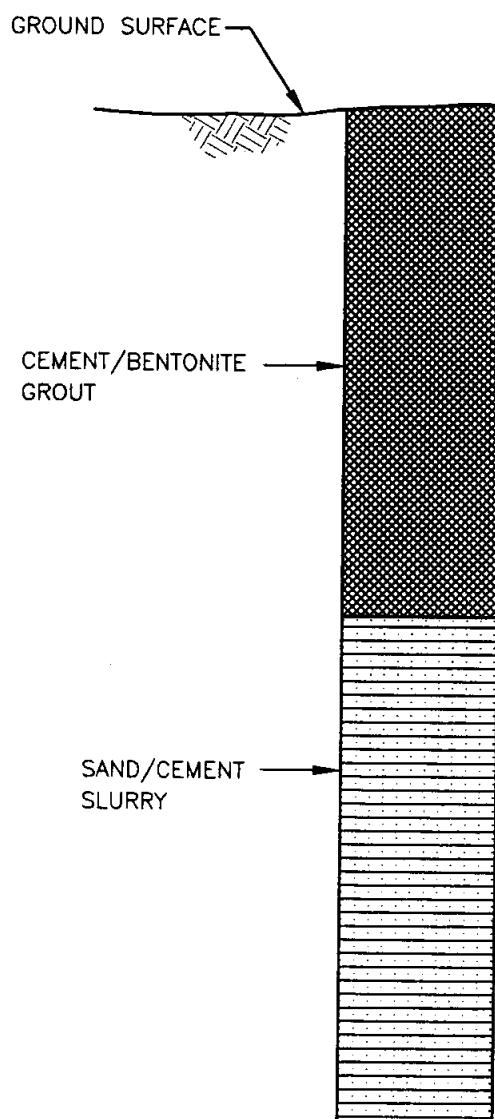
Silt – Soil passing a No. 200 sieve that is nonplastic or very slightly plastic and that exhibits little or no strength when air dry.

Clay – Soil passing a No. 200 sieve that can be made to exhibit plasticity within a range of water contents.

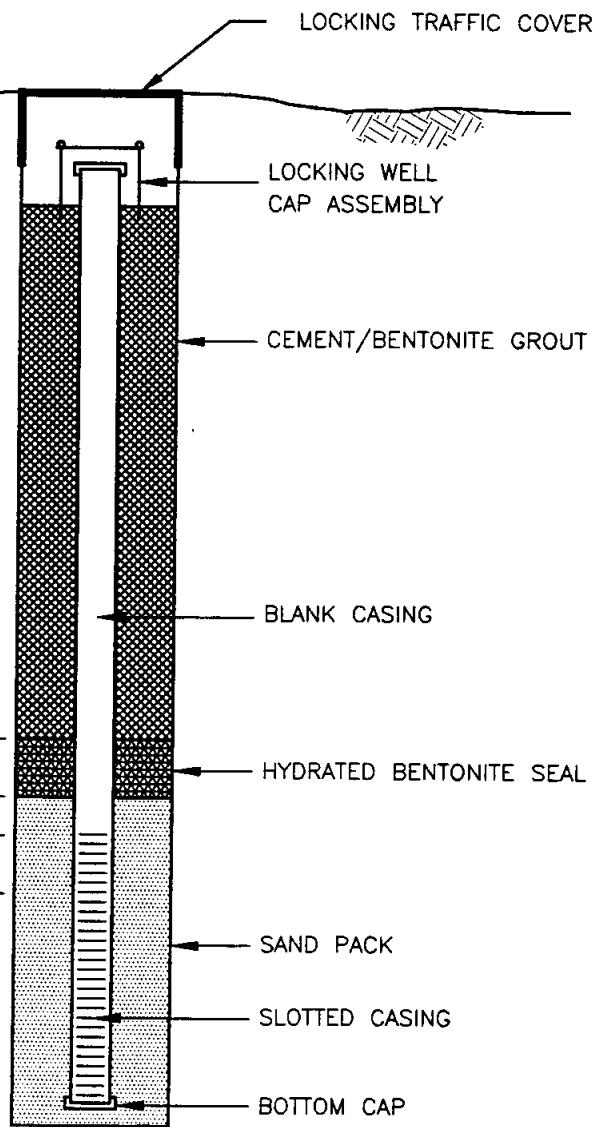
| | | | |
|----------|-----|------------|-------------|
| DRAWN BY | HDS | CHECKED BY | APPROVED BY |
| | | | |

LEGEND3

BOREHOLE ABANDONMENT



MONITORING WELL CONSTRUCTION



NOT TO SCALE

PROJECT NO. 831461

003053

APPENDIX B

**LABORATORY ANALYTICAL REPORTS
AND CHAIN OF CUSTODY**



December 14, 2001

Gary Cronk
IT Corporation
3347 Michelson Drive, Suite 200
Irvine, CA 92612-1692

Subject: **Calscience Work Order No.: 01-12-0765**
Client Reference: **Jervis B. Webb**

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 12/14/01 and analyzed in accordance with the attached chain-of-custody.

Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Assurance Program Manual, applicable standard operating procedures, and other related documentation. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Sincerely,

A handwritten signature in black ink that appears to read "Larry Lem for".

Calscience Environmental
Laboratories, Inc.
Larry Lem
Project Manager

Michael J. Crisostomo
Quality Assurance Manager



Analytical Report

Page 1 of 1

LABORATORY ID: 01-12-0765

Method: Inorganic Constituents
Matrix: Soil/Solid

CLIENT: IT Corporation
PROJECT: Jervis B. Webb

| Sample ID | Results | | Dilution Factor |
|--------------|--------------------------------|--|-----------------|
| | Hexavalent Chromium (mg/kg) | | |
| CB1A@18' | 0.24 | | 1 |
| Method Blank | ND | | 1 |

| | | |
|------------------|-----------------|--|
| EPA Method: | EPA 7196A/3060A | |
| Date Analyzed: | 12/14/01 | |
| Reporting Limit: | 0.20 | |

| Quality Assurance and Control Information | | | | | | | | | | |
|---|-------------|------------|----------|-------------|---------|----------|----------------|------------|-------------|--------------------|
| Matrix Spike Sample ID: | CB1A@18' | | | | | | | | | |
| Batch ID: | Spike Conc. | LCS Result | LCS Rec. | LCS Control | MS Rec. | MSD Rec. | MS/MSD Control | MS/MSD RPD | RPD Control | RPD Control Limits |
| 121401 | ppm | ppm | (%) | Limits | (%) | (%) | Control Limits | (%) | Control | Limits |
| Hexavalent Chromium | 0.50 | 0.50 | 100 | 80-120 | 95 | 94 | 70-130 | 0 | 0-25 | |

Laboratory Notes

Key: ND=Not Detected at the reporting level, NA=Not applicable



ANALYTICAL REPORT

IT Corporation
3347 Michelson Drive, Suite 200
Irvine, CA 92612-1692

Date Received: 12/14/01
Work Order No: 01-12-0765
Preparation:
Method: Total Digestion
EPA 6010B

Project: Jervis B. Webb

Page 1 of 1

| Client Sample Number | Lab Sample Number | Matrix | Date Collected | Date Prepared | Date Analyzed | QC Batch ID |
|----------------------|-------------------|--------|----------------|---------------|---------------|-------------|
| CB1A@18' | 01-12-0765-1 | Solid | 12/14/01 | 12/14/01 | 12/14/01 | 011214lcs2 |

| Parameter | Result | RL | DF | Qual | Units |
|------------------|--------|-----|----|------|-------|
| Chromium (Total) | 14.1 | 0.2 | 1 | | mg/kg |

| Method Blank | 097-01-002-2,972 | Solid | N/A | 12/14/01 | 12/14/01 | 011214lcs2 |
|--------------|------------------|-------|-----|----------|----------|------------|
|--------------|------------------|-------|-----|----------|----------|------------|

| Parameter | Result | RL | DF | Qual | Units |
|------------------|--------|-------|----|------|-------|
| Chromium (Total) | ND | 0.250 | 1 | | mg/kg |

RL - Reporting Limit DF - Dilution Factor Qual - Qualifiers

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003057



ANALYTICAL REPORT

IT Corporation
3347 Michelson Drive, Suite 200
Irvine, CA 92612-1692

Date Received: 12/14/01
Work Order No: 01-12-0765
Preparation: EPA 5035
Method: EPA 8260B

Project: Jervis B. Webb

Page 1 of 4

| Client Sample Number | Lab Sample Number | Date Collected | Matrix | Date Prepared | Date Analyzed | QC Batch ID |
|----------------------|-------------------|----------------|--------|---------------|---------------|-------------|
| CB3A@36* | 01-12-0765-2 | 12/14/01 | Solid | 12/14/01 | 12/14/01 | 121401AS |

| Parameter | Result | RL | DF | Qual | Units | Parameter | Result | RL | DF | Qual | Units |
|-----------------------------|----------------|-----------------------|-------------|-------------------|----------------|-----------------------------|-------------|-----|------|------|-------|
| Acetone | ND | 24 | 1.21 | | ug/kg | 1,3-Dichloropropane | ND | 1.2 | 1.21 | | ug/kg |
| Benzene | ND | 1.2 | 1.21 | | ug/kg | 2,2-Dichloropropane | ND | 6.1 | 1.21 | | ug/kg |
| Bromobenzene | ND | 1.2 | 1.21 | | ug/kg | 1,1-Dichloropropene | ND | 2.4 | 1.21 | | ug/kg |
| Bromoform | ND | 6.1 | 1.21 | | ug/kg | c-1,3-Dichloropropene | ND | 1.2 | 1.21 | | ug/kg |
| Bromochloromethane | ND | 2.4 | 1.21 | | ug/kg | t-1,3-Dichloropropene | ND | 2.4 | 1.21 | | ug/kg |
| Bromodichloromethane | ND | 1.2 | 1.21 | | ug/kg | Ethylbenzene | ND | 1.2 | 1.21 | | ug/kg |
| Bromomethane | ND | 6.1 | 1.21 | | ug/kg | 2-Hexanone | ND | 24 | 1.21 | | ug/kg |
| 2-Butanone | ND | 24 | 1.21 | | ug/kg | Isopropylbenzene | ND | 1.2 | 1.21 | | ug/kg |
| n-Butylbenzene | ND | 1.2 | 1.21 | | ug/kg | p-Isopropyltoluene | ND | 1.2 | 1.21 | | ug/kg |
| sec-Butylbenzene | ND | 1.2 | 1.21 | | ug/kg | Methylene Chloride | ND | 12 | 1.21 | | ug/kg |
| tert-Butylbenzene | ND | 1.2 | 1.21 | | ug/kg | 4-Methyl-2-Pentanone | ND | 24 | 1.21 | | ug/kg |
| Carbon Disulfide | ND | 12 | 1.21 | | ug/kg | Naphthalene | ND | 12 | 1.21 | | ug/kg |
| Carbon Tetrachloride | ND | 1.2 | 1.21 | | ug/kg | n-Propylbenzene | ND | 1.2 | 1.21 | | ug/kg |
| Chlorobenzene | ND | 1.2 | 1.21 | | ug/kg | Styrene | ND | 1.2 | 1.21 | | ug/kg |
| Chloroethane | ND | 2.4 | 1.21 | | ug/kg | 1,1,1,2-Tetrachloroethane | ND | 1.2 | 1.21 | | ug/kg |
| Chloroform | ND | 1.2 | 1.21 | | ug/kg | 1,1,2,2-Tetrachloroethane | ND | 2.4 | 1.21 | | ug/kg |
| Chloromethane | ND | 1.2 | 1.21 | | ug/kg | Tetrachloroethene | ND | 1.2 | 1.21 | | ug/kg |
| 2-Chlorotoluene | ND | 1.2 | 1.21 | | ug/kg | Toluene | ND | 1.2 | 1.21 | | ug/kg |
| 4-Chlorotoluene | ND | 1.2 | 1.21 | | ug/kg | 1,2,3-Trichlorobenzene | ND | 2.4 | 1.21 | | ug/kg |
| Dibromochloromethane | ND | 2.4 | 1.21 | | ug/kg | 1,2,4-Trichlorobenzene | ND | 2.4 | 1.21 | | ug/kg |
| 1,2-Dibromo-3-Chloropropane | ND | 6.1 | 1.21 | | ug/kg | 1,1,1-Trichloroethane | ND | 1.2 | 1.21 | | ug/kg |
| 1,2-Dibromoethane | ND | 1.2 | 1.21 | | ug/kg | 1,1,2-Trichloroethane | ND | 1.2 | 1.21 | | ug/kg |
| Dibromomethane | ND | 1.2 | 1.21 | | ug/kg | Trichloroethene | 24 | 2 | 1.21 | | ug/kg |
| 1,2-Dichlorobenzene | ND | 1.2 | 1.21 | | ug/kg | Trichlorofluoromethane | ND | 12 | 1.21 | | ug/kg |
| 1,3-Dichlorobenzene | ND | 1.2 | 1.21 | | ug/kg | 1,2,3-Trichloropropane | ND | 2.4 | 1.21 | | ug/kg |
| 1,4-Dichlorobenzene | ND | 1.2 | 1.21 | | ug/kg | 1,2,4-Trimethylbenzene | ND | 2.4 | 1.21 | | ug/kg |
| Dichlorodifluoromethane | ND | 2.4 | 1.21 | | ug/kg | 1,3,5-Trimethylbenzene | ND | 2.4 | 1.21 | | ug/kg |
| 1,1-Dichloroethane | ND | 1.2 | 1.21 | | ug/kg | Vinyl Acetate | ND | 12 | 1.21 | | ug/kg |
| 1,2-Dichloroethane | ND | 1.2 | 1.21 | | ug/kg | Vinyl Chloride | ND | 1.2 | 1.21 | | ug/kg |
| 1,1-Dichloroethene | ND | 1.2 | 1.21 | | ug/kg | p/m-Xylene | ND | 2.4 | 1.21 | | ug/kg |
| c-1,2-Dichloroethene | ND | 1.2 | 1.21 | | ug/kg | o-Xylene | ND | 1.2 | 1.21 | | ug/kg |
| t-1,2-Dichloroethene | ND | 1.2 | 1.21 | | ug/kg | Methyl-t-Butyl Ether (MTBE) | ND | 2.4 | 1.21 | | ug/kg |
| 1,2-Dichloropropane | ND | 1.2 | 1.21 | | ug/kg | | | | | | |
| Surrogates: | REC (%) | Control Limits | Qual | Surrogates | REC (%) | Control Limits | Qual | | | | |
| Dibromofluoromethane | 108 | 65-157 | | Toluene-d8 | 97 | 51-144 | | | | | |
| 1,4-Bromofluorobenzene | 98 | 49-141 | | | | | | | | | |

RL - Reporting Limit DF - Dilution Factor Qual - Qualifiers

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003058



ANALYTICAL REPORT

IT Corporation
3347 Michelson Drive, Suite 200
Irvine, CA 92612-1692

Date Received: 12/14/01
Work Order No: 01-12-0765
Preparation: EPA 5035
Method: EPA 8260B

Project: Jervis B. Webb

Page 2 of 4

| Client Sample Number | Lab Sample Number | Date Collected | Matrix | Date Prepared | Date Analyzed | QC Batch ID |
|----------------------|-------------------|----------------|--------|---------------|---------------|-------------|
| CB4A@37* | 01-12-0765-3 | 12/14/01 | Solid | 12/14/01 | 12/14/01 | 121401AS |

| Parameter | Result | RL | DF | Qual | Units | Parameter | Result | RL | DF | Qual | Units |
|-----------------------------|----------------|-----------------------|-------------|--------------------|-----------------------------|-----------------------|-------------|------|-------|------|-------|
| Acetone | ND | 24 | 1.18 | ug/kg | 1,3-Dichloropropane | ND | 1.2 | 1.18 | ug/kg | | |
| Benzene | ND | 1.2 | 1.18 | ug/kg | 2,2-Dichloropropane | ND | 5.9 | 1.18 | ug/kg | | |
| Bromobenzene | ND | 1.2 | 1.18 | ug/kg | 1,1-Dichloropropene | ND | 2.4 | 1.18 | ug/kg | | |
| Bromoform | ND | 2.4 | 1.18 | ug/kg | c-1,3-Dichloropropene | ND | 1.2 | 1.18 | ug/kg | | |
| Bromochloromethane | ND | 1.2 | 1.18 | ug/kg | t-1,3-Dichloropropene | ND | 2.4 | 1.18 | ug/kg | | |
| Bromodichloromethane | ND | 1.2 | 1.18 | ug/kg | Ethylbenzene | ND | 1.2 | 1.18 | ug/kg | | |
| Bromoform | ND | 5.9 | 1.18 | ug/kg | 2-Hexanone | ND | 24 | 1.18 | ug/kg | | |
| Bromomethane | ND | 5.9 | 1.18 | ug/kg | Isopropylbenzene | ND | 1.2 | 1.18 | ug/kg | | |
| 2-Butanone | ND | 24 | 1.18 | ug/kg | p-Isopropyltoluene | ND | 1.2 | 1.18 | ug/kg | | |
| n-Butylbenzene | ND | 1.2 | 1.18 | ug/kg | Methylene Chloride | ND | 12 | 1.18 | ug/kg | | |
| sec-Butylbenzene | ND | 1.2 | 1.18 | ug/kg | 4-Methyl-2-Pentanone | ND | 24 | 1.18 | ug/kg | | |
| tert-Butylbenzene | ND | 1.2 | 1.18 | ug/kg | Naphthalene | ND | 12 | 1.18 | ug/kg | | |
| Carbon Disulfide | ND | 12 | 1.18 | ug/kg | n-Propylbenzene | ND | 1.2 | 1.18 | ug/kg | | |
| Carbon Tetrachloride | ND | 1.2 | 1.18 | ug/kg | Styrene | ND | 1.2 | 1.18 | ug/kg | | |
| Chlorobenzene | ND | 1.2 | 1.18 | ug/kg | 1,1,1,2-Tetrachloroethane | ND | 1.2 | 1.18 | ug/kg | | |
| Chloroethane | ND | 2.4 | 1.18 | ug/kg | 1,1,2,2-Tetrachloroethane | ND | 24 | 1.18 | ug/kg | | |
| Chloroform | ND | 1.2 | 1.18 | ug/kg | Tetrachloroethene | ND | 1.2 | 1.18 | ug/kg | | |
| Chloromethane | ND | 1.2 | 1.18 | ug/kg | Toluene | ND | 1.2 | 1.18 | ug/kg | | |
| 2-Chlorotoluene | ND | 1.2 | 1.18 | ug/kg | 1,2,3-Trichlorobenzene | ND | 24 | 1.18 | ug/kg | | |
| 4-Chlorotoluene | ND | 1.2 | 1.18 | ug/kg | 1,2,4-Trichlorobenzene | ND | 24 | 1.18 | ug/kg | | |
| Dibromochloromethane | ND | 2.4 | 1.18 | ug/kg | 1,1,1-Trichloroethane | ND | 1.2 | 1.18 | ug/kg | | |
| 1,2-Dibromo-3-Chloropropane | ND | 5.9 | 1.18 | ug/kg | 1,1,2-Trichloroethane | ND | 1.2 | 1.18 | ug/kg | | |
| 1,2-Dibromoethane | ND | 1.2 | 1.18 | ug/kg | Trichloroethene | ND | 1.2 | 1.18 | ug/kg | | |
| Dibromomethane | ND | 1.2 | 1.18 | ug/kg | Trichlorofluoromethane | ND | 2.4 | 1.18 | ug/kg | | |
| 1,2-Dichlorobenzene | ND | 1.2 | 1.18 | ug/kg | 1,2,3-Trichloropropane | ND | 12 | 1.18 | ug/kg | | |
| 1,3-Dichlorobenzene | ND | 1.2 | 1.18 | ug/kg | 1,2,4-Trimethylbenzene | ND | 2.4 | 1.18 | ug/kg | | |
| 1,4-Dichlorobenzene | ND | 1.2 | 1.18 | ug/kg | 1,3,5-Trimethylbenzene | ND | 2.4 | 1.18 | ug/kg | | |
| Dichlorodifluoromethane | ND | 2.4 | 1.18 | ug/kg | Vinyl Acetate | ND | 12 | 1.18 | ug/kg | | |
| 1,1-Dichloroethane | ND | 1.2 | 1.18 | ug/kg | Vinyl Chloride | ND | 1.2 | 1.18 | ug/kg | | |
| 1,2-Dichloroethane | ND | 1.2 | 1.18 | ug/kg | p/m-Xylene | ND | 24 | 1.18 | ug/kg | | |
| 1,1-Dichloroethene | ND | 1.2 | 1.18 | ug/kg | o-Xylene | ND | 1.2 | 1.18 | ug/kg | | |
| c-1,2-Dichloroethene | ND | 1.2 | 1.18 | ug/kg | Methyl-t-Butyl Ether (MTBE) | ND | 24 | 1.18 | ug/kg | | |
| t-1,2-Dichloroethene | ND | 1.2 | 1.18 | ug/kg | | | | | | | |
| 1,2-Dichloropropane | ND | 1.2 | 1.18 | ug/kg | | | | | | | |
| <u>Surrogates:</u> | <u>REC (%)</u> | <u>Control Limits</u> | <u>Qual</u> | <u>Surrogates:</u> | <u>REC (%)</u> | <u>Control Limits</u> | <u>Qual</u> | | | | |
| Dibromofluoromethane | 114 | 65-157 | | Toluene-d8 | 101 | 51-144 | | | | | |
| 1,4-Bromofluorobenzene | 88 | 49-141 | | | | | | | | | |

RL - Reporting Limit DF - Dilution Factor Qual - Qualifiers

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003059



ANALYTICAL REPORT

IT Corporation
3347 Michelson Drive, Suite 200
Irvine, CA 92612-1692

Date Received: 12/14/01
Work Order No: 01-12-0765
Preparation: EPA 5035
Method: EPA 8260B

Project: Jervis B. Webb

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| Client Sample Number | Lab Sample Number | | | Date Collected | Matrix | Date Prepared | Date Analyzed | QC Batch ID | | | |
|-----------------------------|-------------------|-----------------------|-------------|--------------------|----------------|-----------------------------|---------------|-------------|----|------|-------|
| Method Blank | 095-01-025-3,529 | | | N/A | Solid | N/A | 12/14/01 | 121401AS | | | |
| Parameter | Result | RL | DF | Qual | Units | Parameter | Result | RL | DF | Qual | Units |
| Acetone | ND | 20 | 1 | | ug/kg | 1,3-Dichloropropane | ND | 1.0 | 1 | | ug/kg |
| Benzene | ND | 1.0 | 1 | | ug/kg | 2,2-Dichloropropane | ND | 5.0 | 1 | | ug/kg |
| Bromobenzene | ND | 1.0 | 1 | | ug/kg | 1,1-Dichloropropene | ND | 2.0 | 1 | | ug/kg |
| Bromoform | ND | 2.0 | 1 | | ug/kg | c-1,3-Dichloropropene | ND | 1.0 | 1 | | ug/kg |
| Bromochloromethane | ND | 1.0 | 1 | | ug/kg | t-1,3-Dichloropropene | ND | 2.0 | 1 | | ug/kg |
| Bromodichloromethane | ND | 1.0 | 1 | | ug/kg | Ethybenzene | ND | 1.0 | 1 | | ug/kg |
| Bromomethane | ND | 5.0 | 1 | | ug/kg | 2-Hexanone | ND | 20 | 1 | | ug/kg |
| 2-Butanone | ND | 20 | 1 | | ug/kg | Isopropylbenzene | ND | 1.0 | 1 | | ug/kg |
| n-Butylbenzene | ND | 1.0 | 1 | | ug/kg | p-Isopropyltoluene | ND | 1.0 | 1 | | ug/kg |
| sec-Butylbenzene | ND | 1.0 | 1 | | ug/kg | Methylene Chloride | ND | 10 | 1 | | ug/kg |
| tert-Butylbenzene | ND | 1.0 | 1 | | ug/kg | 4-Methyl-2-Pentanone | ND | 20 | 1 | | ug/kg |
| Carbon Disulfide | ND | 10 | 1 | | ug/kg | Naphthalene | ND | 10 | 1 | | ug/kg |
| Carbon Tetrachloride | ND | 1.0 | 1 | | ug/kg | n-Propylbenzene | ND | 1.0 | 1 | | ug/kg |
| Chlorobenzene | ND | 1.0 | 1 | | ug/kg | Styrene | ND | 1.0 | 1 | | ug/kg |
| Chloroethane | ND | 2.0 | 1 | | ug/kg | 1,1,1,2-Tetrachloroethane | ND | 1.0 | 1 | | ug/kg |
| Chloroform | ND | 1.0 | 1 | | ug/kg | 1,1,2,2-Tetrachloroethane | ND | 2.0 | 1 | | ug/kg |
| Chloromethane | ND | 1.0 | 1 | | ug/kg | Tetrachloroethene | ND | 1.0 | 1 | | ug/kg |
| 2-Chlorotoluene | ND | 1.0 | 1 | | ug/kg | Toluene | ND | 1.0 | 1 | | ug/kg |
| 4-Chlorotoluene | ND | 1.0 | 1 | | ug/kg | 1,2,3-Trichlorobenzene | ND | 2.0 | 1 | | ug/kg |
| Dibromochloromethane | ND | 2.0 | 1 | | ug/kg | 1,2,4-Trichlorobenzene | ND | 2.0 | 1 | | ug/kg |
| 1,2-Dibromo-3-Chloropropane | ND | 5.0 | 1 | | ug/kg | 1,1,1-Trichloroethane | ND | 1.0 | 1 | | ug/kg |
| 1,2-Dibromoethane | ND | 1.0 | 1 | | ug/kg | 1,1,2-Trichloroethane | ND | 1.0 | 1 | | ug/kg |
| Dibromomethane | ND | 1.0 | 1 | | ug/kg | Trichloroethene | ND | 2.0 | 1 | | ug/kg |
| 1,2-Dichlorobenzene | ND | 1.0 | 1 | | ug/kg | Trichlorofluoromethane | ND | 10 | 1 | | ug/kg |
| 1,3-Dichlorobenzene | ND | 1.0 | 1 | | ug/kg | 1,2,3-Trichloropropane | ND | 2.0 | 1 | | ug/kg |
| 1,4-Dichlorobenzene | ND | 1.0 | 1 | | ug/kg | 1,2,4-Trimethylbenzene | ND | 2.0 | 1 | | ug/kg |
| Dichlorodifluoromethane | ND | 2.0 | 1 | | ug/kg | 1,3,5-Trimethylbenzene | ND | 2.0 | 1 | | ug/kg |
| 1,1-Dichloroethane | ND | 1.0 | 1 | | ug/kg | Vinyl Acetate | ND | 10 | 1 | | ug/kg |
| 1,2-Dichloroethane | ND | 1.0 | 1 | | ug/kg | Vinyl Chloride | ND | 1.0 | 1 | | ug/kg |
| 1,1-Dichloroethene | ND | 1.0 | 1 | | ug/kg | p/m-Xylene | ND | 2.0 | 1 | | ug/kg |
| c-1,2-Dichloroethene | ND | 1.0 | 1 | | ug/kg | o-Xylene | ND | 1.0 | 1 | | ug/kg |
| t-1,2-Dichloroethene | ND | 1.0 | 1 | | ug/kg | Methyl-t-Butyl Ether (MTBE) | ND | 2.0 | 1 | | ug/kg |
| 1,2-Dichloropropane | ND | 1.0 | 1 | | ug/kg | | | | | | |
| <u>Surrogates:</u> | <u>REC (%)</u> | <u>Control Limits</u> | <u>Qual</u> | <u>Surrogates:</u> | <u>REC (%)</u> | <u>Control Limits</u> | <u>Qual</u> | | | | |
| Dibromofluoromethane | 103 | 65-157 | | Toluene-d8 | 97 | 51-144 | | | | | |
| 1,4-Bromofluorobenzene | 93 | 49-141 | | | | | | | | | |

RL - Reporting Limit DF - Dilution Factor Qual - Qualifiers

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003060



ANALYTICAL REPORT

IT Corporation
3347 Michelson Drive, Suite 200
Irvine, CA 92612-1692

Date Received: 12/14/01
Work Order No: 01-12-0765
Preparation: EPA 5035
Method: EPA 8260B

Project: Jervis B. Webb

Page 4 of 4

| Client Sample Number | Lab Sample Number | Date Collected | Matrix | Date Prepared | Date Analyzed | QC Batch ID |
|----------------------|-------------------|----------------|--------|---------------|---------------|-------------|
| Method Blank | 095-01-025-3,530 | N/A | Solid | N/A | 12/14/01 | 121401AS |

| Parameter | Result | RL | DF | Qual | Units | Parameter | Result | RL | DF | Qual | Units |
|-----------------------------|---------|----------------|------|-------|-----------------------------|-----------|----------------|------|-------|------|-------|
| Acetone | ND | 20 | 1 | ug/kg | 1,3-Dichloropropane | ND | 1.0 | 1 | ug/kg | | |
| Benzene | ND | 1.0 | 1 | ug/kg | 2,2-Dichloropropane | ND | 5.0 | 1 | ug/kg | | |
| Bromobenzene | ND | 1.0 | 1 | ug/kg | 1,1-Dichloropropene | ND | 2.0 | 1 | ug/kg | | |
| Bromoform | ND | 5.0 | 1 | ug/kg | c-1,3-Dichloropropene | ND | 1.0 | 1 | ug/kg | | |
| Bromomethane | ND | 5.0 | 1 | ug/kg | t-1,3-Dichloropropene | ND | 2.0 | 1 | ug/kg | | |
| 2-Butanone | ND | 20 | 1 | ug/kg | Ethylbenzene | ND | 1.0 | 1 | ug/kg | | |
| n-Butylbenzene | ND | 1.0 | 1 | ug/kg | 2-Hexanone | ND | 20 | 1 | ug/kg | | |
| sec-Butylbenzene | ND | 1.0 | 1 | ug/kg | Isopropylbenzene | ND | 1.0 | 1 | ug/kg | | |
| tert-Butylbenzene | ND | 1.0 | 1 | ug/kg | p-Isopropyltoluene | ND | 1.0 | 1 | ug/kg | | |
| Carbon Disulfide | ND | 10 | 1 | ug/kg | Methylene Chloride | ND | 10 | 1 | ug/kg | | |
| Carbon Tetrachloride | ND | 1.0 | 1 | ug/kg | 4-Methyl-2-Pentanone | ND | 20 | 1 | ug/kg | | |
| Chlorobenzene | ND | 1.0 | 1 | ug/kg | Naphthalene | ND | 10 | 1 | ug/kg | | |
| Chloroethane | ND | 2.0 | 1 | ug/kg | n-Propylbenzene | ND | 1.0 | 1 | ug/kg | | |
| Chloroform | ND | 1.0 | 1 | ug/kg | Styrene | ND | 1.0 | 1 | ug/kg | | |
| Chloromethane | ND | 1.0 | 1 | ug/kg | 1,1,2-Tetrachloroethane | ND | 1.0 | 1 | ug/kg | | |
| 2-Chlorotoluene | ND | 1.0 | 1 | ug/kg | 1,1,2,2-Tetrachloroethane | ND | 2.0 | 1 | ug/kg | | |
| 4-Chlorotoluene | ND | 1.0 | 1 | ug/kg | Tetrachloroethene | ND | 1.0 | 1 | ug/kg | | |
| Dibromochloromethane | ND | 2.0 | 1 | ug/kg | Toluene | ND | 1.0 | 1 | ug/kg | | |
| 1,2-Dibromo-3-Chloropropane | ND | 5.0 | 1 | ug/kg | 1,2,3-Trichlorobenzene | ND | 2.0 | 1 | ug/kg | | |
| 1,2-Dibromoethane | ND | 1.0 | 1 | ug/kg | 1,2,4-Trichlorobenzene | ND | 2.0 | 1 | ug/kg | | |
| Dibromomethane | ND | 1.0 | 1 | ug/kg | 1,1,1-Trichloroethane | ND | 1.0 | 1 | ug/kg | | |
| 1,2-Dichlorobenzene | ND | 1.0 | 1 | ug/kg | 1,1,2-Trichloroethane | ND | 1.0 | 1 | ug/kg | | |
| 1,3-Dichlorobenzene | ND | 1.0 | 1 | ug/kg | Trichloroethene | ND | 2.0 | 1 | ug/kg | | |
| 1,4-Dichlorobenzene | ND | 1.0 | 1 | ug/kg | Trichlorofluoromethane | ND | 10 | 1 | ug/kg | | |
| Dichlorodifluoromethane | ND | 2.0 | 1 | ug/kg | 1,2,3-Trichloropropene | ND | 2.0 | 1 | ug/kg | | |
| 1,1-Dichloroethane | ND | 1.0 | 1 | ug/kg | 1,2,4-Trimethylbenzene | ND | 2.0 | 1 | ug/kg | | |
| 1,2-Dichloroethane | ND | 1.0 | 1 | ug/kg | 1,3,5-Trimethylbenzene | ND | 2.0 | 1 | ug/kg | | |
| 1,1-Dichloroethene | ND | 1.0 | 1 | ug/kg | Vinyl Acetate | ND | 10 | 1 | ug/kg | | |
| 1,2-Dichloroethene | ND | 1.0 | 1 | ug/kg | Vinyl Chloride | ND | 1.0 | 1 | ug/kg | | |
| 1,1-Dichloroethene | ND | 1.0 | 1 | ug/kg | p/m-Xylene | ND | 2.0 | 1 | ug/kg | | |
| c-1,2-Dichloroethene | ND | 1.0 | 1 | ug/kg | o-Xylene | ND | 1.0 | 1 | ug/kg | | |
| t-1,2-Dichloroethene | ND | 1.0 | 1 | ug/kg | Methyl-t-Butyl Ether (MTBE) | ND | 2.0 | 1 | ug/kg | | |
| 1,2-Dichloropropane | ND | 1.0 | 1 | ug/kg | | | | | | | |
| Surrogates | REC (%) | Control Limits | Qual | | Surrogates | REC (%) | Control Limits | Qual | | | |
| Dibromofluoromethane | 107 | 65-157 | | | Toluene-d8 | 93 | 51-144 | | | | |
| 1,4-Bromofluorobenzene | 84 | 49-141 | | | | | | | | | |

RL - Reporting Limit DF - Dilution Factor Qual - Qualifiers

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003061

